

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047710.D
 Acq On : 22 Sep 2025 17:14
 Operator : JC/MD
 Sample : Q3136-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34924

Quant Time: Sep 23 01:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	140501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	290717	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	286197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	108998	48.738	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.480%
35) Dibromofluoromethane	5.373	113	90968	46.657	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.320%
50) Toluene-d8	8.635	98	320912	47.568	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.140%
62) 4-Bromofluorobenzene	11.061	95	137477	53.694	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	3288	13.201	ug/l #	91
16) Acetone	2.374	43	33671	34.627	ug/l	99
18) Methyl Acetate	2.703	43	13540	6.257	ug/l	99
20) Methylene Chloride	2.794	84	32898	15.983	ug/l	91
25) 2-Butanone	4.556	43	7826	6.452	ug/l	97
37) Ethyl Acetate	4.709	43	8005	2.624	ug/l	98
40) Benzene	6.025	78	178913	20.676	ug/l	98
43) Isopropyl Acetate	6.330	43	12145	2.428	ug/l	98
52) Toluene	8.702	92	110783	20.780	ug/l	98
67) Ethyl Benzene	10.177	91	18016	1.606	ug/l	96
68) m/p-Xylenes	10.287	106	31861	7.630	ug/l	98
69) o-Xylene	10.628	106	20374	5.045	ug/l	96
70) Styrene	10.640	104	11765	1.662	ug/l #	82
84) 1,2,4-Trimethylbenzene	11.738	105	22599	2.464	ug/l	76
95) Naphthalene	13.756	128	669712	70.524	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

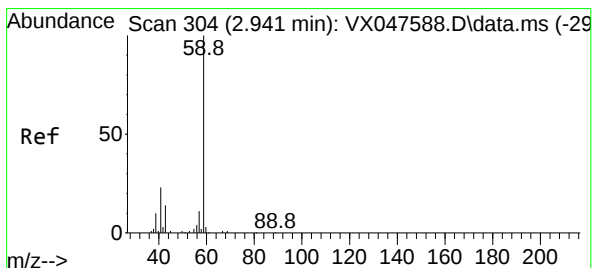
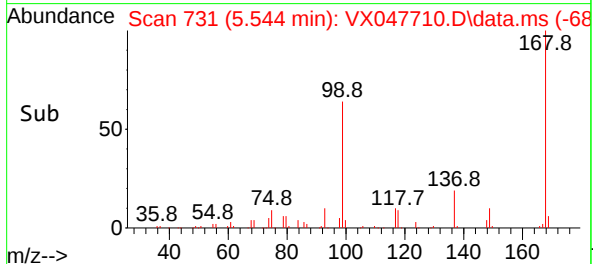
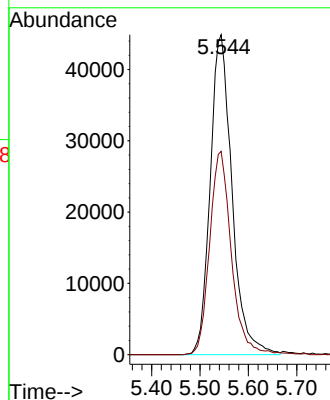
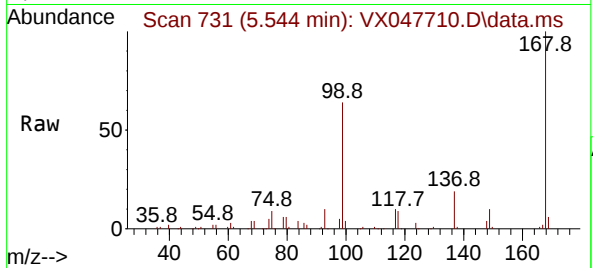




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

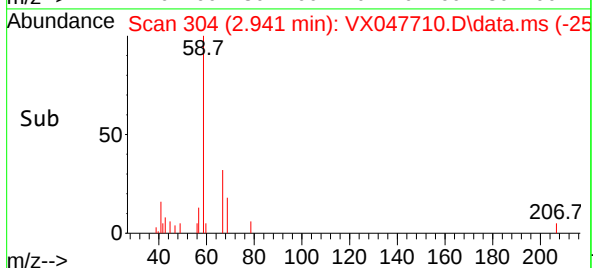
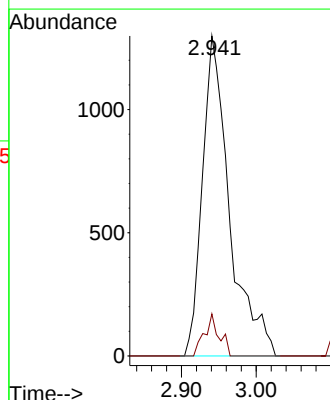
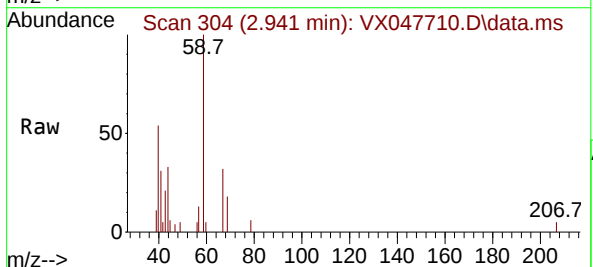
Instrument :
MSVOA_X
ClientSampleId :
34924

Tgt Ion:168 Resp: 140501
Ion Ratio Lower Upper
168 100
99 63.5 48.8 73.2



#11
Tert butyl alcohol
Concen: 13.201 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

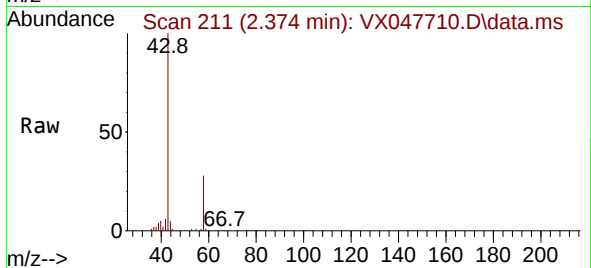
Tgt Ion: 59 Resp: 3288
Ion Ratio Lower Upper
59 100
57 7.1 8.3 12.5#



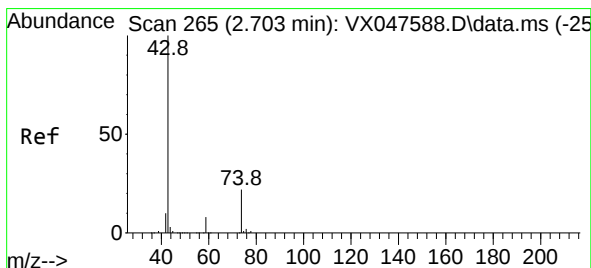
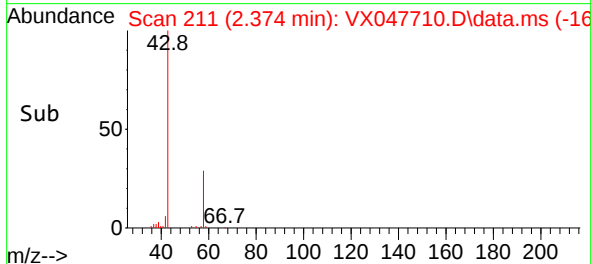
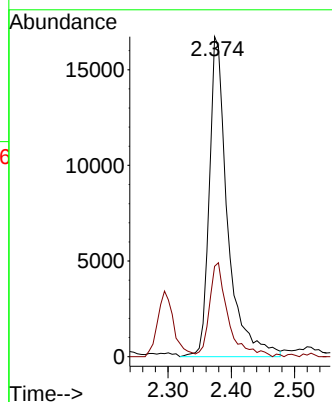


#16
Acetone
Concen: 34.627 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

Instrument :
MSVOA_X
ClientSampleId :
34924

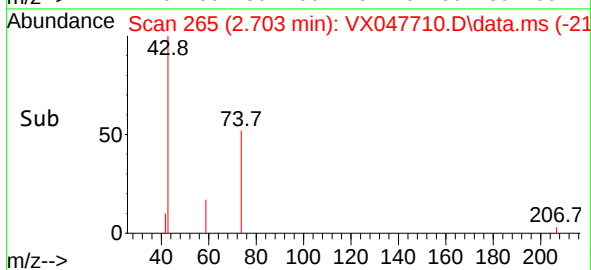
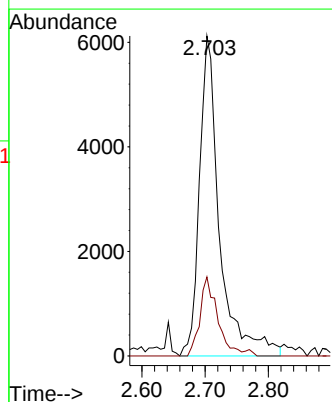
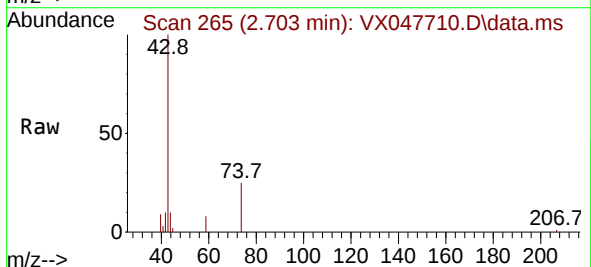


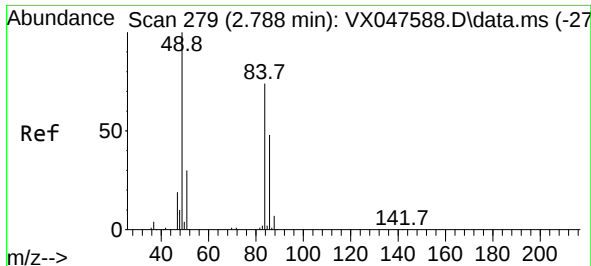
Tgt Ion: 43 Resp: 33671
Ion Ratio Lower Upper
43 100
58 28.6 23.4 35.0



#18
Methyl Acetate
Concen: 6.257 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

Tgt Ion: 43 Resp: 13540
Ion Ratio Lower Upper
43 100
74 22.2 17.4 26.2

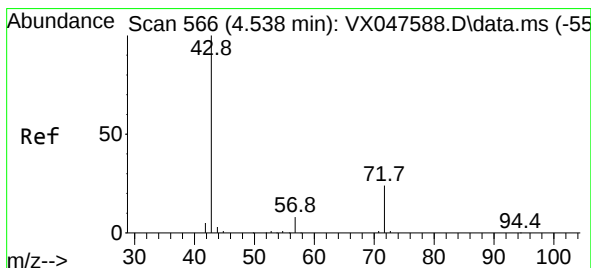
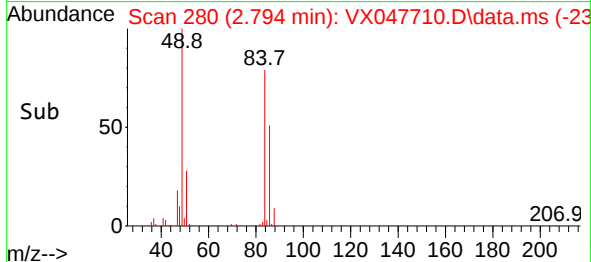
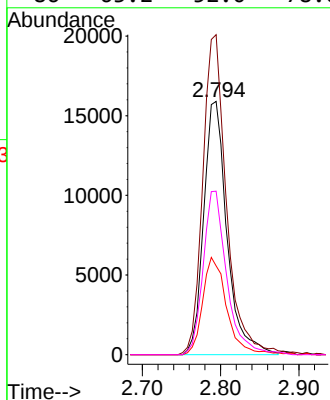
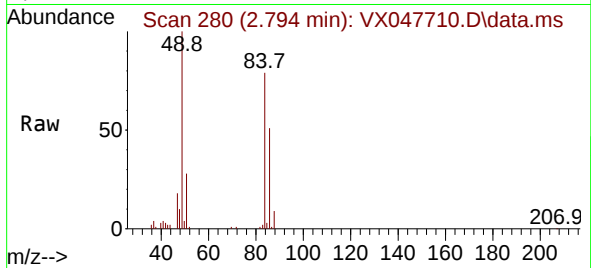




#20
Methylene Chloride
Concen: 15.983 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

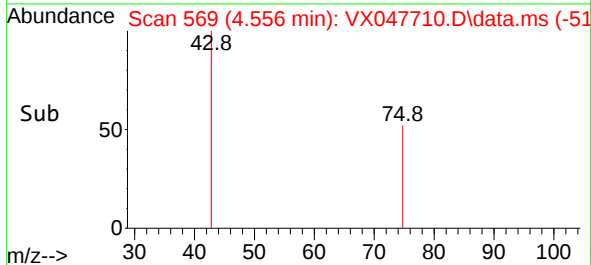
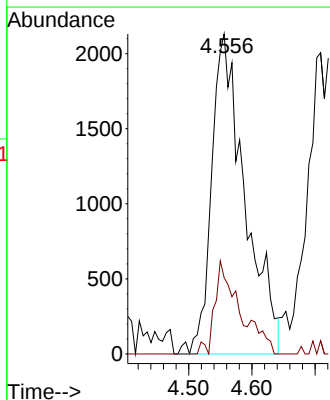
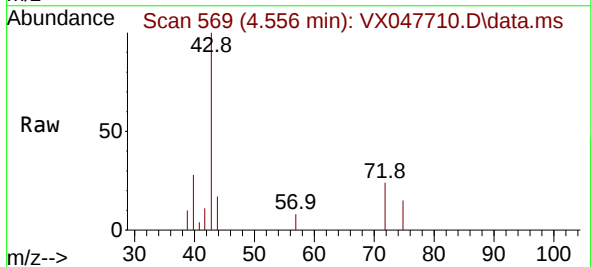
Instrument :
MSVOA_X
ClientSampleId :
34924

Tgt Ion:	84	Resp:	32898
Ion	Ratio	Lower	Upper
84	100		
49	122.0	108.6	162.8
51	33.8	32.6	48.8
86	63.2	52.0	78.0



#25
2-Butanone
Concen: 6.452 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

Tgt Ion:	43	Resp:	7826
Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1





#33

1,2-Dichloroethane-d4

Concen: 48.738 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047710.D

Acq: 22 Sep 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

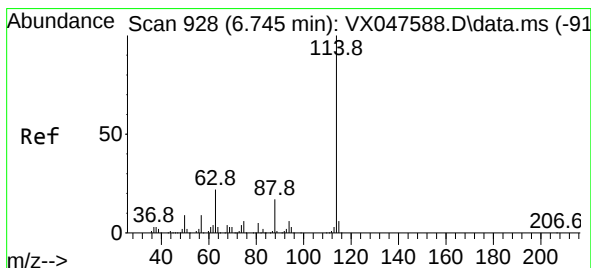
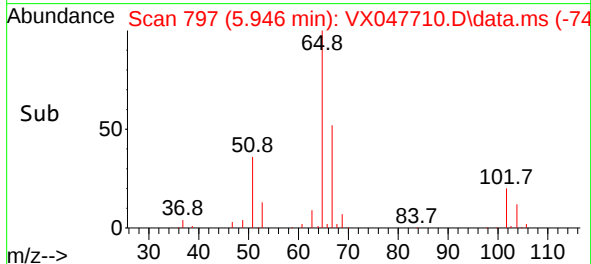
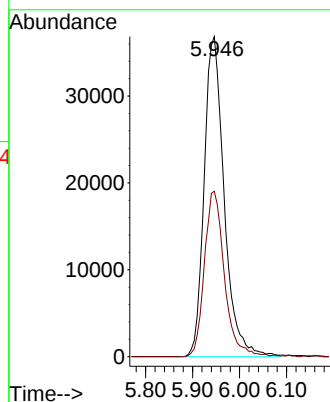
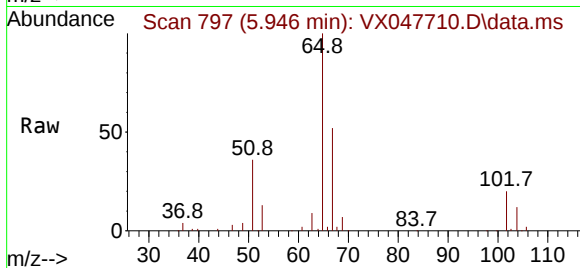
34924

Tgt Ion: 65 Resp: 108998

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047710.D

Acq: 22 Sep 2025 17:14

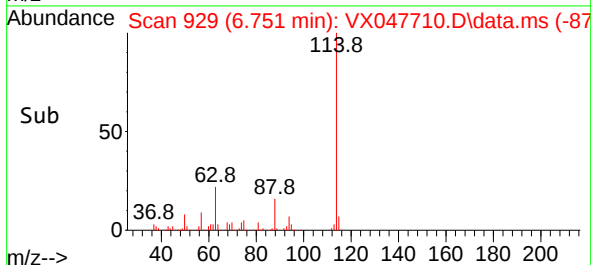
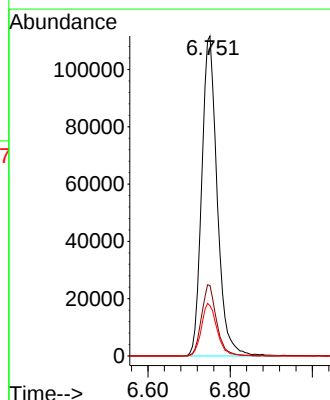
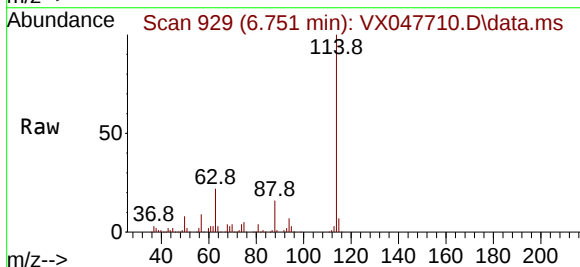
Tgt Ion: 114 Resp: 290717

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 15.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 46.657 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047710.D

Acq: 22 Sep 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

34924

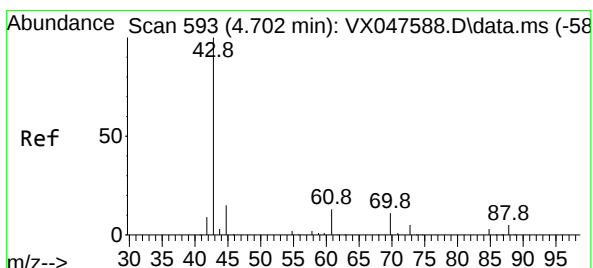
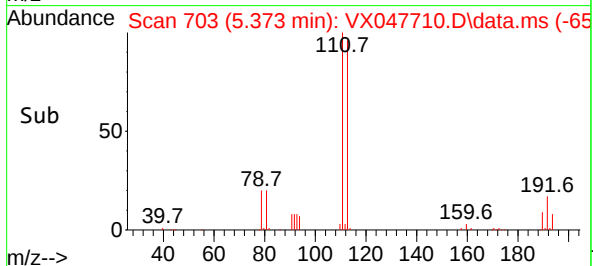
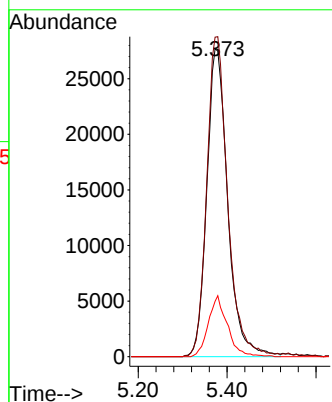
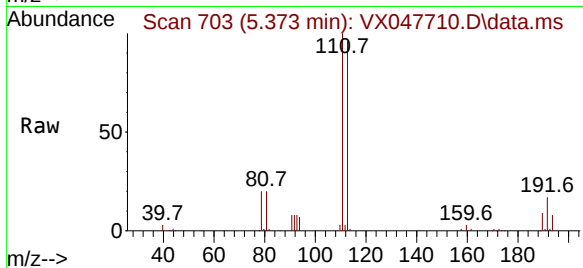
Tgt Ion:113 Resp: 90968

Ion Ratio Lower Upper

113 100

111 103.6 80.9 121.3

192 18.1 14.2 21.4



#37

Ethyl Acetate

Concen: 2.624 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX047710.D

Acq: 22 Sep 2025 17:14

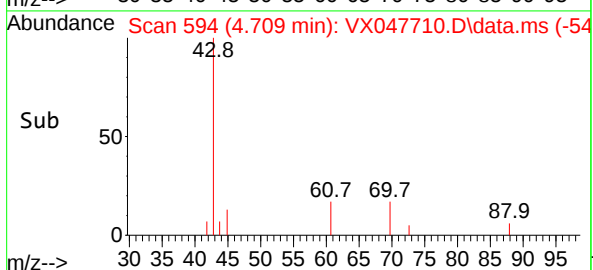
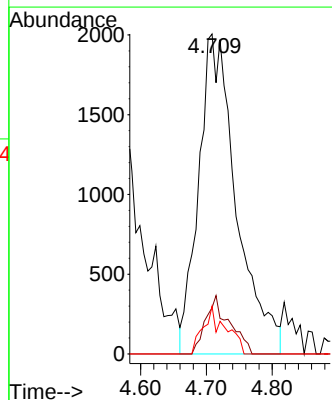
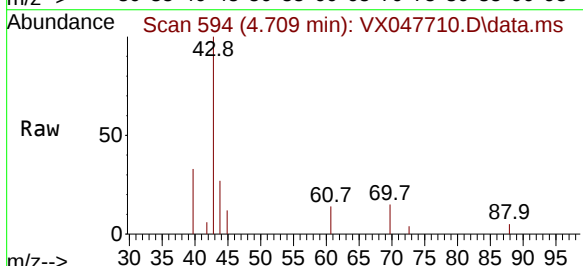
Tgt Ion: 43 Resp: 8005

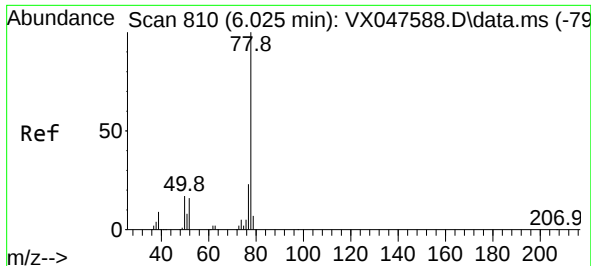
Ion Ratio Lower Upper

43 100

61 11.5 9.8 14.8

70 8.9 7.9 11.9





#40

Benzene

Concen: 20.676 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX047710.D

Acq: 22 Sep 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

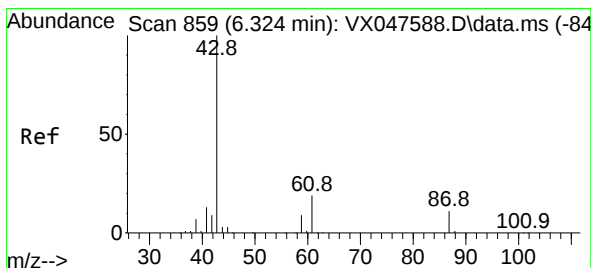
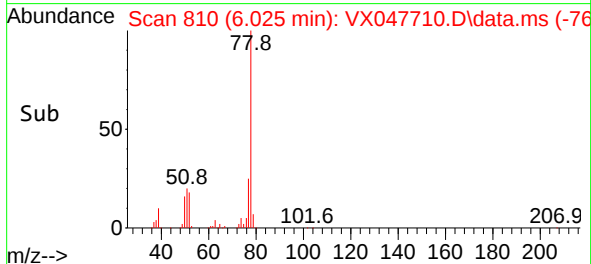
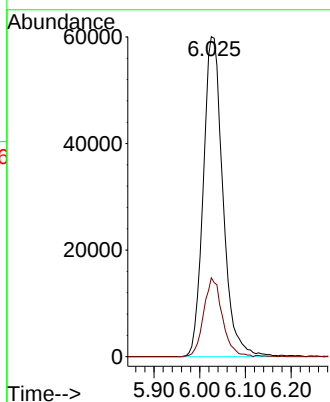
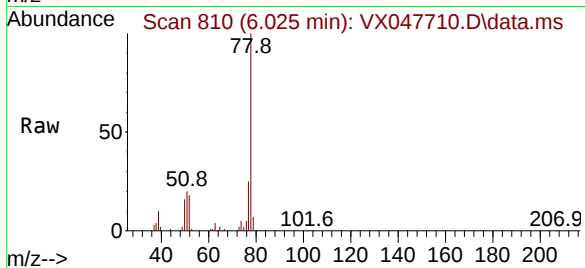
34924

Tgt Ion: 78 Resp: 178913

Ion Ratio Lower Upper

78 100

77 24.7 18.8 28.2



#43

Isopropyl Acetate

Concen: 2.428 ug/l

RT: 6.330 min Scan# 860

Delta R.T. 0.006 min

Lab File: VX047710.D

Acq: 22 Sep 2025 17:14

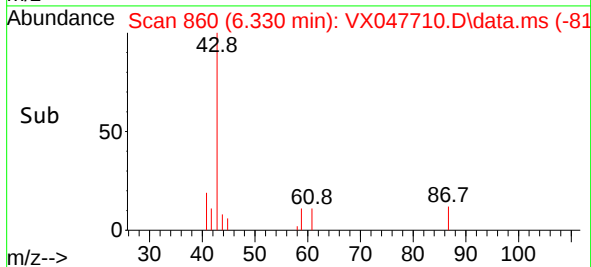
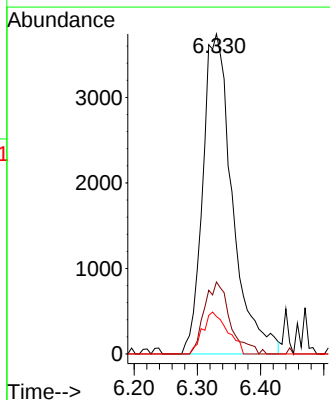
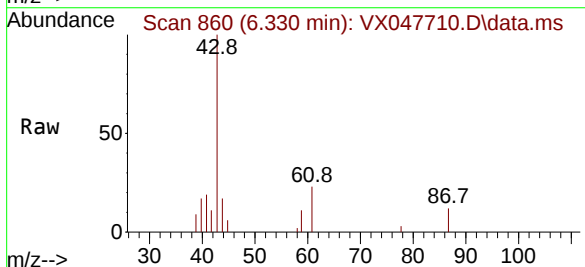
Tgt Ion: 43 Resp: 12145

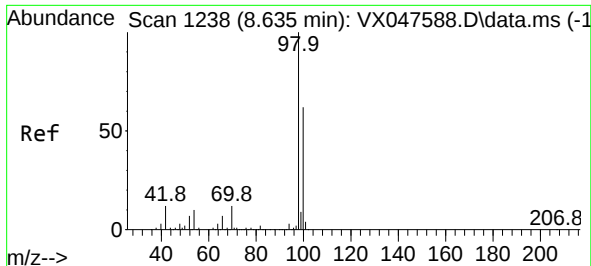
Ion Ratio Lower Upper

43 100

61 19.6 15.2 22.8

87 11.0 9.6 14.4

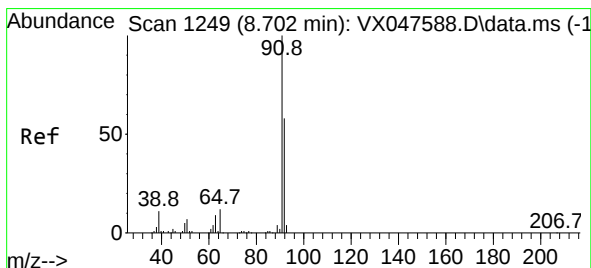
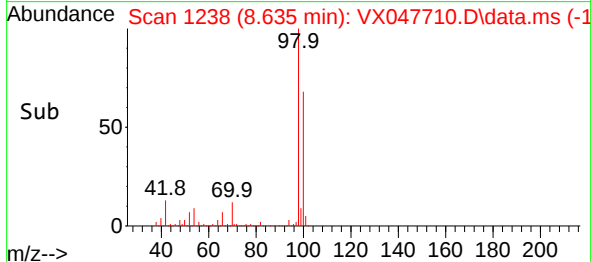
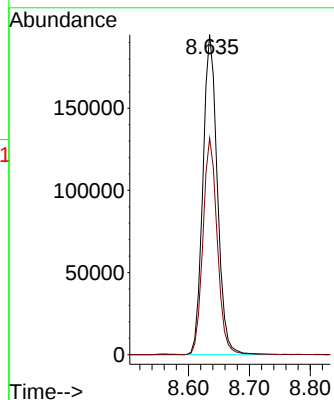
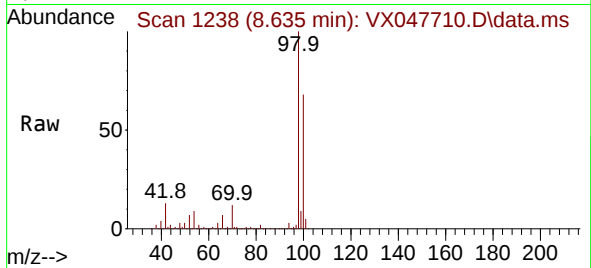




#50
Toluene-d8
Concen: 47.568 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

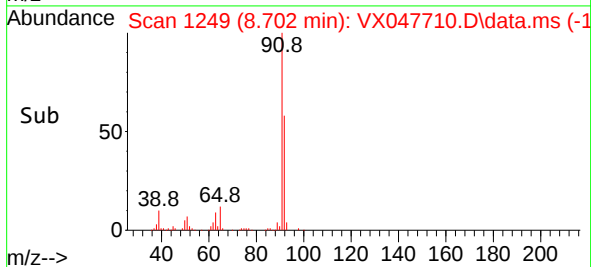
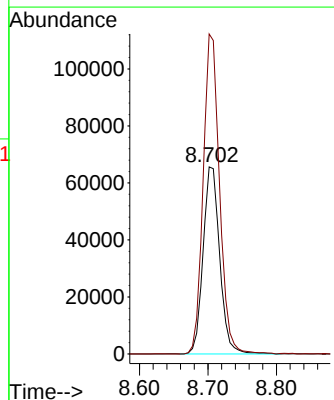
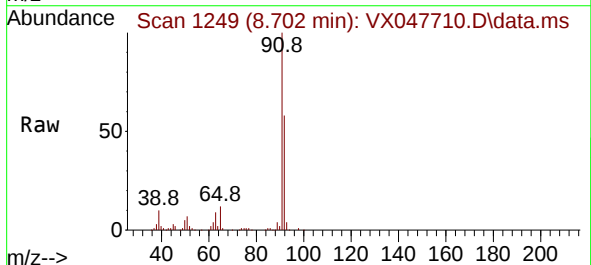
Instrument :
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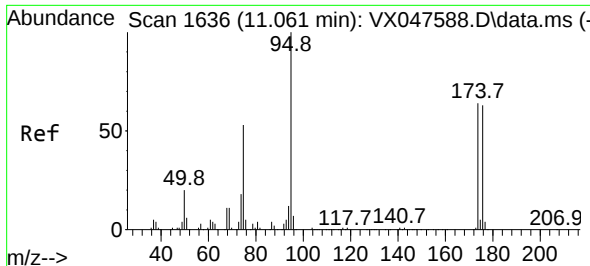
Tgt Ion: 98 Resp: 320912
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.4



#52
Toluene
Concen: 20.780 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

Tgt Ion: 92 Resp: 110783
Ion Ratio Lower Upper
92 100
91 168.8 137.1 205.7

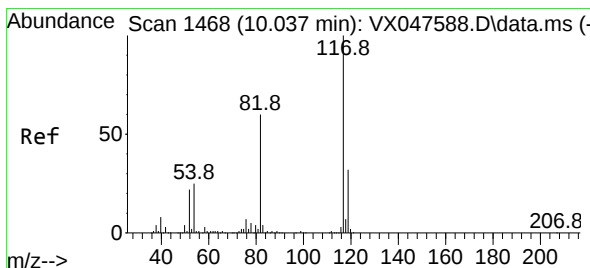
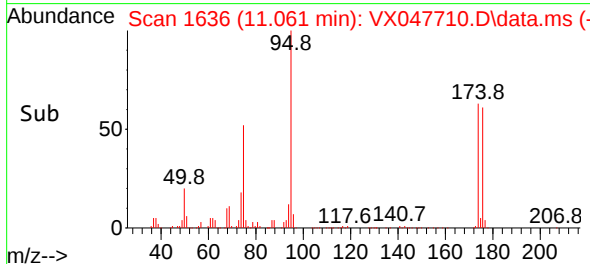
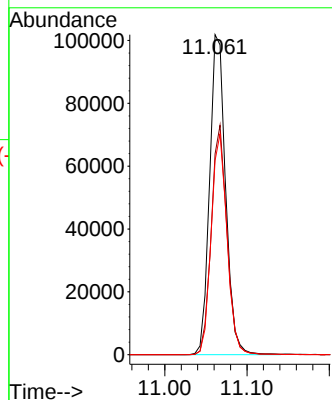
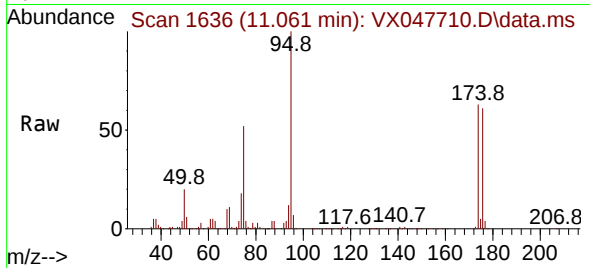




#62
4-Bromofluorobenzene
Concen: 53.694 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

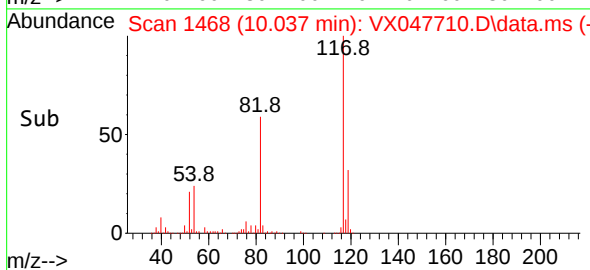
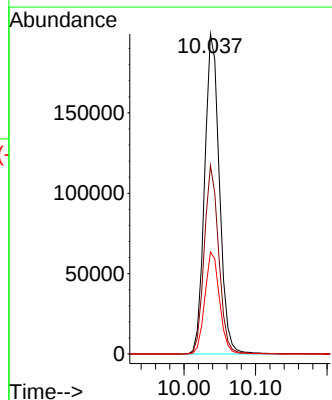
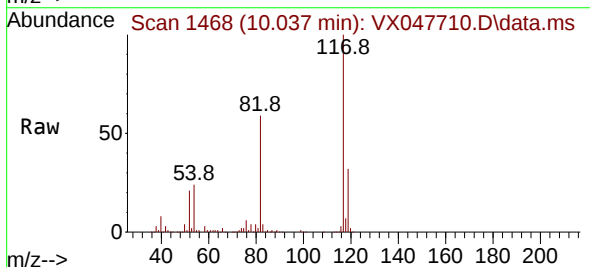
Instrument :
MSVOA_X
ClientSampleId :
34924

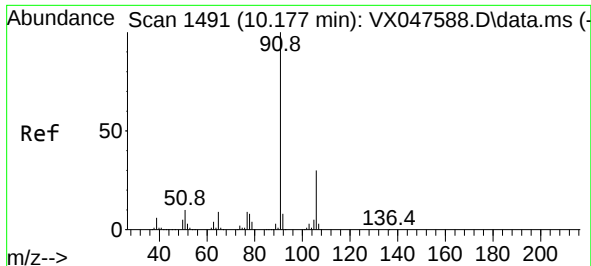
Tgt Ion: 95 Resp: 137477
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.6
176 68.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

Tgt Ion: 117 Resp: 286197
Ion Ratio Lower Upper
117 100
82 58.9 47.8 71.6
119 31.9 25.2 37.8





#67

Ethyl Benzene

Concen: 1.606 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047710.D

Acq: 22 Sep 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

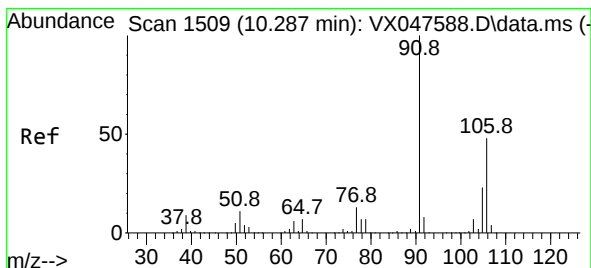
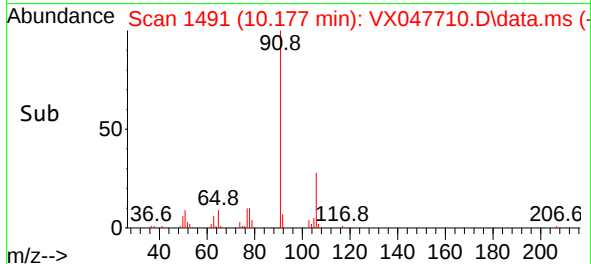
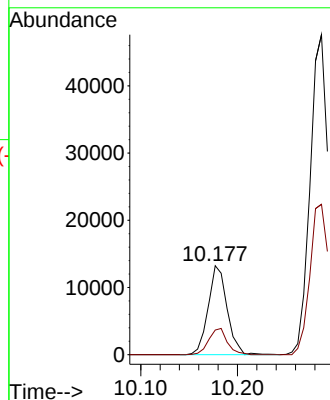
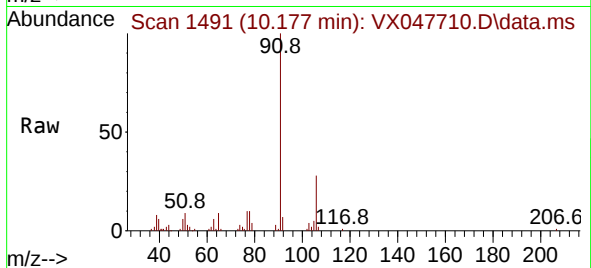
34924

Tgt Ion: 91 Resp: 18016

Ion Ratio Lower Upper

91 100

106 28.0 24.3 36.5



#68

m/p-Xylenes

Concen: 7.630 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047710.D

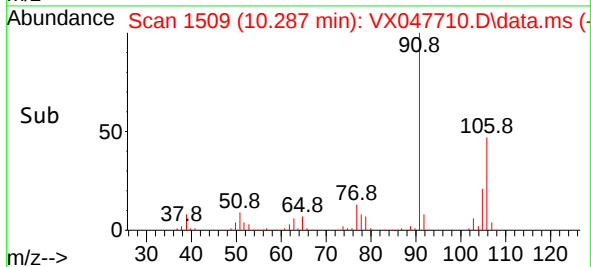
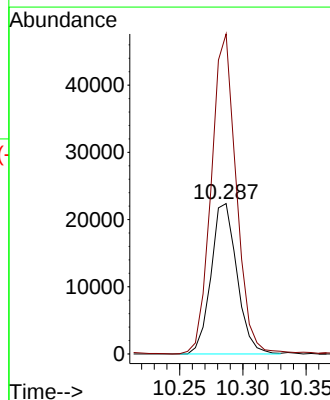
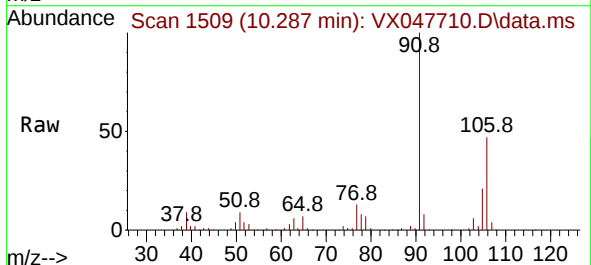
Acq: 22 Sep 2025 17:14

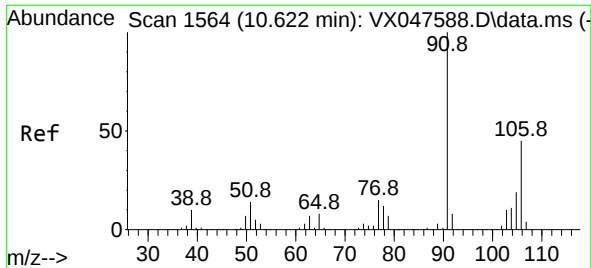
Tgt Ion:106 Resp: 31861

Ion Ratio Lower Upper

106 100

91 206.7 167.8 251.8

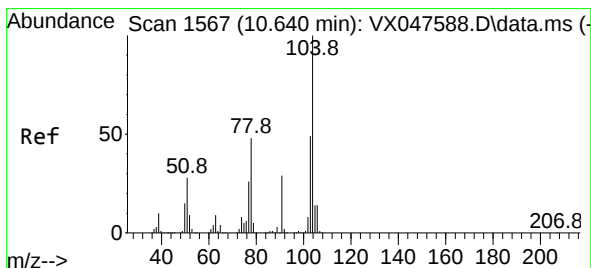
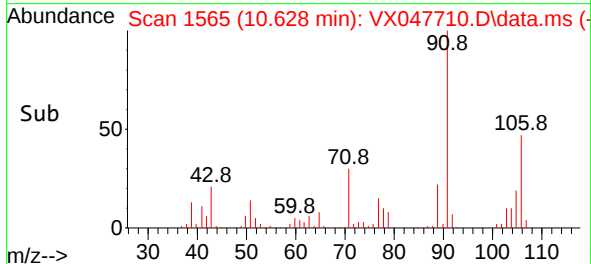
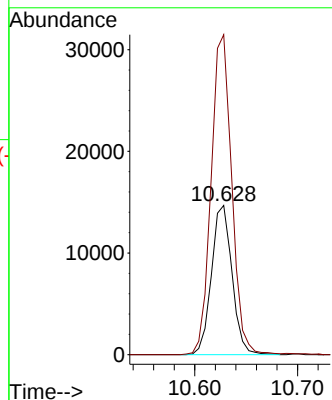
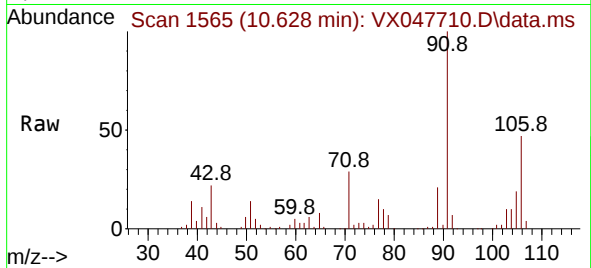




#69
o-Xylene
Concen: 5.045 ug/l
RT: 10.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

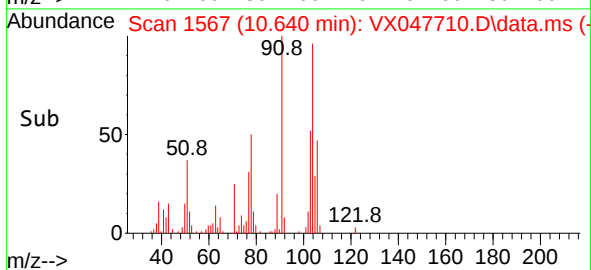
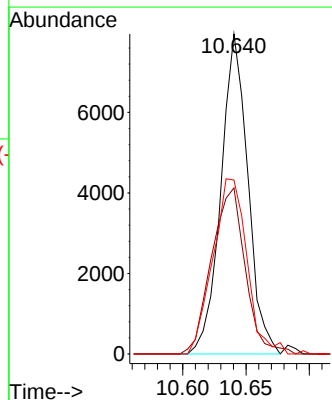
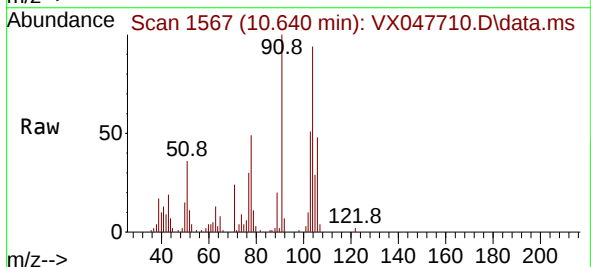
Instrument :
MSVOA_X
ClientSampleId :
34924

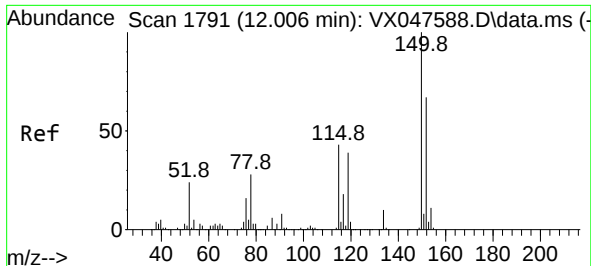
Tgt Ion:106 Resp: 20374
Ion Ratio Lower Upper
106 100
91 216.2 111.1 333.4



#70
Styrene
Concen: 1.662 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

Tgt Ion:104 Resp: 11765
Ion Ratio Lower Upper
104 100
78 64.9 43.1 64.7#
103 68.9 43.1 64.7#

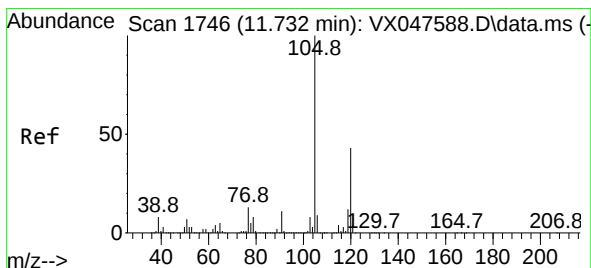
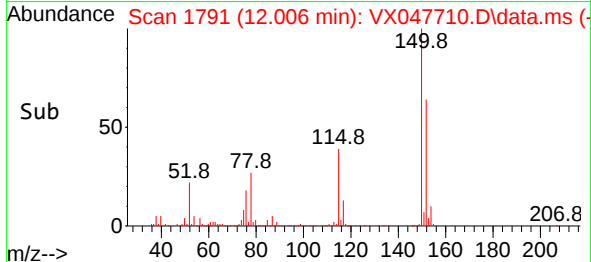
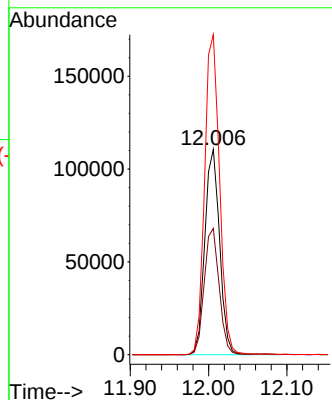
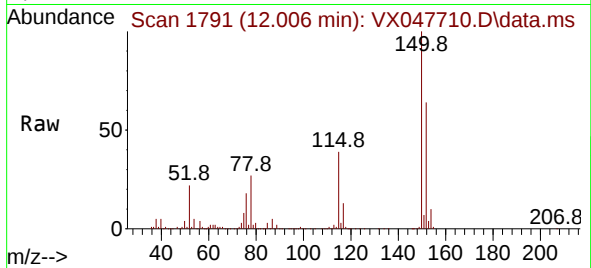




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047710.D
 Acq: 22 Sep 2025 17:14

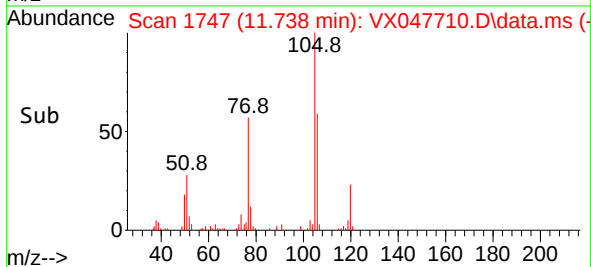
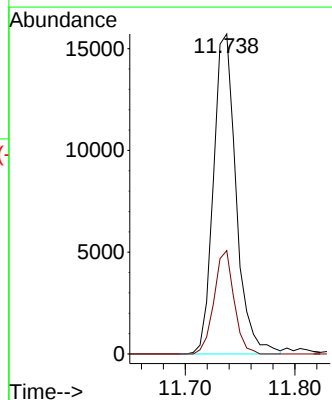
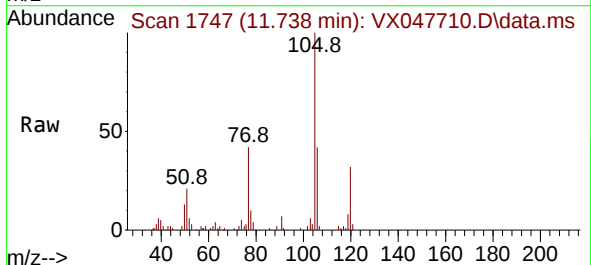
Instrument :
 MSVOA_X
 ClientSampleId :
 34924

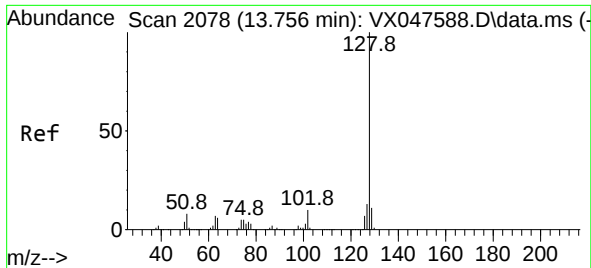
Tgt Ion:152 Resp: 144816
 Ion Ratio Lower Upper
 152 100
 115 62.2 44.9 134.5
 150 157.3 0.0 352.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.464 ug/l
 RT: 11.738 min Scan# 1747
 Delta R.T. 0.006 min
 Lab File: VX047710.D
 Acq: 22 Sep 2025 17:14

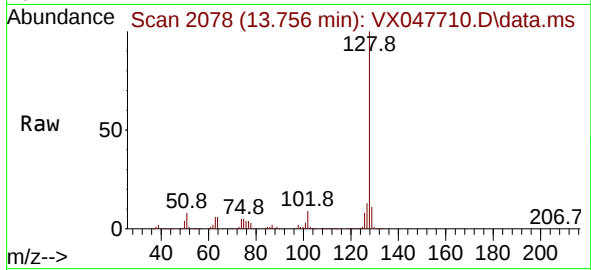
Tgt Ion:105 Resp: 22599
 Ion Ratio Lower Upper
 105 100
 120 28.5 22.1 66.1





#95
Naphthalene
Concen: 70.524 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047710.D
Acq: 22 Sep 2025 17:14

Instrument :
MSVOA_X
ClientSampleId :
34924



Tgt Ion:128 Resp: 669712
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.9 8.8 13.2

